

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT May 2, 2007 <i>(use as many sheets as necessary)</i>				Complete If Known Application Number 10/567,091 Filing Date 02/03/2006 First Named Inventor Oliver Griesbeck et al. Art Unit 1656 Examiner Name Unassigned Attorney Docket Number 085449-0185			
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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		EP 1 238 982 A1	09/11/2002	Miyawaki et al.		

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	A1	Zhang et al., "Creating new fluorescent probes for cell biology," <i>Nat. Rev. Mol. Biol.</i> 3, pp. 906-918 (2002).	
	A2	Miyawaki et al., "Fluorescent Indicators for Ca ²⁺ based on green fluorescent proteins and calmodulin," <i>Nature</i> 388, pp. 882-887 (1997).	
	A3	Miyawaki et al., "Dynamic and quantitative calcium measurements using improved cameleons," <i>Proc. Natl. Acad. Sci. USA</i> 96, 2135-2140 (1999).	
	A4	Truong et al., "FRET-based in vivo Ca ²⁺ imaging by a new calmodulin-GFP fusion molecule," <i>Nat. Struct. Biol.</i> 8, 1069-1073 (2001).	
	A5	Baird, et al., "Circular permutation and receptor insertion within green fluorescent proteins," <i>Proc. Natl. Acad. Sci. USA</i> 96, 11241-11246 (1999).	
	A6	Nagai et al., "Circularly permuted green fluorescent proteins engineered to sense Ca ²⁺ ," <i>Proc. Natl. Acad. Sci. USA</i> 98, pp 3197-3202 (2001).	

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	A7	Nakai et al., "A high signal-to-noise Ca ²⁺ probe compound of a single green fluorescent protein," <i>Nat. Biotechnol.</i> 19, 137-141 (2001).	
	A8	Griesbeck et al., "Reducing the environmental sensitivity of yellow fluorescent protein: mechanism and applications," <i>J. Biol. Chem.</i> 276, 29188-29194 (2001).	
	A9	Reiff et al., "Differential regulation of active zone density during long-term strengthening of Drosophila neuromuscular junctions," <i>J. Neurosci.</i> 22, 9399-9409.	
	A10	Kerr et al., "Optical imaging of calcium transients in neurons and pharyngeal muscle of <i>C. elegans</i> ," <i>Neuron</i> 26, 583-594.	
	A11	Fiala et al., "Genetically expressed cameleon in <i>Drosophila melanogaster</i> is used to visualize olfactory information in projection neurons," <i>Curr. Biol.</i> 12, 1877-1884, (2002).	
	A12	Jurado, et al., "Apocalmodulin," <i>Physiol. Rev.</i> 79, 661-682 (1999).	
	A13	Saimi et al., "Calmodulin as an ion channel subunit," <i>Ann. Rev. Physiol.</i> 64, 289-311 (2002).	
	A14	Benaïm, et al., "Phosphorylation of calmodulin," <i>Eur. J. Biochem.</i> 269, 3619-3725 (2002).	
	A15	Witchlow et al., "An improved linker for single-chain Fv with reduced aggregation and enhanced proteolytic stability," <i>Prot. Engineering</i> , 6: 989-995, (1993).	
	A16	Tsien et al., Measurement of Cytosolic Free Ca ²⁺ with Quin2, <i>Methods Enzymol.</i> , 172: 230-244 (1989).	
	A17	Tsien, "The green fluorescent protein," <i>Ann. Rev. Biochem.</i> 67: 509-544 (1998).	
	A18	Matz et al., "Fluorescent proteins from nonbioluminescent Anthozoa species," <i>Nat. Biotechnol.</i> , 17: 969-973 (1999).	
	A19	Wiedenmann et al., "Cracks in the β -can: Fluorescent proteins from <i>Anemonia Sulcata</i> (Anthozoa, Actinaria)," <i>Proc. Natl. Acad. Sci.</i> , 97: 14091-14096 (2000).	

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	A20	Labas et al., "Diversity and evolution of the green fluorescent protein family," <i>Proc. Natl. Acad. Sci.</i> , 99: 4256-4261 (2002).	
	A21	Karasawa et al., A green emitting fluorescent protein from Galaxiidae coral and its monomeric version for use in fluorescent labeling, <i>J. Biol. Chem.</i> , pp. 1-23, Figs. 1-8, Tab. 1, (2003).	
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	A25	Kendall et al., "Targeting aequorin to the endoplasmic reticulum of living cells," <i>Biochem. Biophys. Res. Commun.</i> 189: 1008-1016, (1992).	
	A26	Mattaj et al., "Nuclear cytoplasmic transport: the soluble phase," <i>Annu. Rev. Biochem.</i> , 67: 265-306 (1998).	
	A27	Lithgow, "Targeting of proteins to mitochondria," <i>FEBS Letters</i> , 476: 22-26 (2000).	

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	A28	Hurt et al., "The first twelve amino acids (less than half of the pre-sequence) of an imported mitochondrial protein can direct mouse cytosolic dihydrofolate reductase into the yeast mitochondrial matrix, <i>Embo J.</i> , (1985) 4: 2061-2068.	
	A29	Llopis et al., <i>Proc. Natl. Acad. Sci., USA</i> (1999) 95 (12): 6803-8.	
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	A33	Niethammer et al., <i>J. Neurosci.</i> , (1996) 16:2157-63.	
	A34	Le Maout et al., <i>Proc. Natl. Acad. Sci., USA</i> (2001), 98:10475-10480.	
	A35	Hung et al., <i>J. Biol. Chem.</i> , (2001), 277:5699-5702.	

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	A36	Bennett et al., <i>Science</i> , (1992) 257:255-259.	
	A37	Elfenk et al., <i>J. Biol. Chem.</i> , (1989), 264: 11061-4.	
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	A40	Mumberg et al., <i>Nucl. Acids Res.</i> , (1994), 22:5767-5768.	
	A41	Schlesinger, <i>Trans. Bio. Technol.</i> , (1993) 11(1):18-22.	
	A42	He et al., <i>Proc. Natl. Acad. Sci.</i> , USA (1998), 95:2509-2514.	
	A43	Caroni, "Overexpression of Grown-Associated Proteins in the Neurons of Adult Transgenic Mice, 1997, <i>J. Neurosci. Methods</i> , 71:3-9.	

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	A45	Toggas et al., <i>Nature</i> , (1994), 367:188-193.	
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	A48	Nagy et al., "Manipulating the Mouse Embryo, Production and Transgenic Mice," A Laboratory Manual, (1994), pp. 289-299.	
	A49	Albanese et al., "Recent advances in inducible expression in transgenic mice," (2002), <i>Semin. Cell. Dev. Biol.</i> , 13:129-41.	
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	A54	McNamee, "Isolation and Characterization of Cell Membranes, Biotechnique 7: 466-475 (1989).	
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